

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims

Claim 1 (currently amended): A fine tuning device for transferring ~~and/or~~ or tilting an object with an object axis, comprising:

a first guide rotatable around a first rotational axis and defining a first offset axis parallel and at an offset to the first rotational axis,

a second guide rotatable around a second rotational axis and defining a second offset axis parallel and at an offset to the second rotational axis,

a third guide rotatable around a third rotational axis and defining a tilt axis at a non-zero angle to the third rotational axis, and

a carrier bearing the object, the carrier being rotatable around the a carrier rotational axis guided by the guide, wherein the angle between the carrier and at a non-zero angle to the rotational object axis may be changed by the rotation guiding the carrier along a guide plane on the guide at an angle other than 90° to the rotational axis or the object is offset from the center of the carrier and is movable with respect to the rotational axis by rotation of the carrier around the rotational axis,

wherein the carrier rotational axis is the tilt axis, the third rotational axis is the second offset axis, and the second rotational axis is the first offset axis, or

wherein the carrier rotational axis is the second offset axis, the second rotational axis is the tilt axis, and the third rotational axis is the first offset axis, or

wherein the carrier rotational axis is the second offset axis, the second rotational axis is the first offset axis, and the first rotational axis is the tilt axis.

Claims 2-4 (canceled)

Claim 5 (currently amended): The fine tuning device according to claim 1, wherein the carrier or the first, the second, or the third guide ~~or a further guide~~ are is round in cross-section.

Claim 6 (currently amended): The fine tuning device according to claim 1, wherein the first, the second, or the third guide comprises a recess within which the carrier ~~or another of the first, the second, or the third guide~~ can be rotated.

Claim 7-9 (canceled)

Claim 10 (currently amended): The fine tuning device according to claim 1, wherein ~~a control lever may be inserted into~~ the carrier or the first, the second, or the third guide ~~or a further guide~~ comprises holes for inserting control levers.

Claim 11 (currently amended): The fine tuning device according to claim 1, wherein the carrier or the first, the second, or the third guide ~~element or a further guide can be moved~~ is movable in the direction of ~~the rotational axis or a further~~ its rotational axis.

Claim 12 (currently amended): The fine tuning device according to claim 11, wherein the carrier or the first, the second, or the third guide ~~or the further guide~~ comprises a screw thread.

Claim 13 (previously presented): The fine tuning device according to claim 1, wherein elements that touch each other directly are made of different materials.

Claim 14 (previously presented): The fine tuning device according to claim 1, wherein the object is an optical component or an objective.

Claim 15 (currently amended): A microscope comprising a fine tuning device for transferring ~~and/or~~ or tilting an object with an object axis, comprising:
a first guide rotatable around a first rotational axis and defining a first offset axis parallel and at an offset to the first rotational axis,
a second guide rotatable around a second rotational axis and defining a second offset axis parallel and at an offset to the second rotational axis,

a third guide rotatable around a third rotational axis and defining a tilt axis at a non-zero angle to the third rotational axis, and

a carrier bearing the object, the carrier being rotatable around the a carrier rotational axis guided by the guide, wherein the angle between the carrier and at a non-zero angle to the rotational object axis may be changed by the rotation guiding the carrier along a guide plane on the guide at an angle other than 90° to the rotational axis or the object is offset from the center of the carrier and is movable with respect to the rotational axis by rotation of the carrier around the rotational axis,

wherein the carrier rotational axis is the tilt axis, the third rotational axis is the second offset axis, and the second rotational axis is the first offset axis, or

wherein the carrier rotational axis is the second offset axis, the second rotational axis is the tilt axis, and the third rotational axis is the first offset axis, or

wherein the carrier rotational axis is the second offset axis, the second rotational axis is the first offset axis, and the first rotational axis is the tilt axis.

Claim 16 (previously presented): The microscope according to claim 15, wherein the microscope is a scanning microscope, a confocal scanning microscope, a 4 pi microscope, or a theta microscope.